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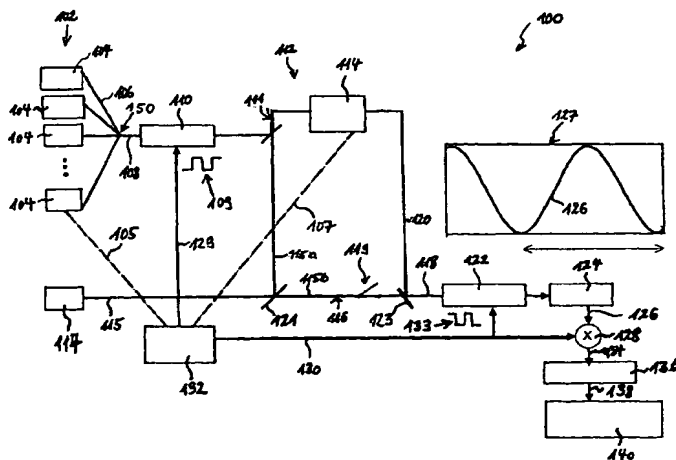
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(54) Title: **LOAD DEPENDENT ANALYZING OPTICAL COMPONENTS**



(57) Abstract: The present invention relates to an apparatus and to a method of load dependent analyzing an optical component (114), comprising the steps of: splitting an initial signal (115) into the reference signal (115b) into and into a measurement signal (115a), intermittently providing a load signal (108) to the component (114), providing the measurement signal (115a) to the component (114), so that the component (114) can influence the measurement signal (115a) to create a signal (120) influenced by and received from the component (114), superimposing the reference signal with the signal (120) received from the component (114), to provide a superimposed signal (118), detecting the superimposed signal (118) when the loading signal (108) is not present at the component (114) to provide an information containing signal (126), and processing the information containing signal (126) to determine an optical property of the component (114) dependent on a property of the load signal (118).